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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Marton et al.

Confirmation No. 9370

Application No.: 10/520,031

Group Art Unit: 1637

Filed: June 27, 2003

Examiner: Kim, Young J.

For: METHODS TO ASSESS QUALITY OF  
MICROARRAYS

Attorney Docket No.: 9301-159  
(CAM 301891-999151)

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97 AND § 1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 and § 1.97 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of any claim of the application, Attorneys for Applicant hereby direct the Examiner's attention to the references listed on the attached "List of References Cited by Applicant." Copies of references B01, B02, and C01-C27 are provided herewith.

Identification of the listed references is not to be construed an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application.

Applicants respectfully request that the Examiner review the foregoing references and that the references be made of record in the file history of the application.

Pursuant to 37 C.F.R. § 1.97(b)(4), since this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits, it is estimated that no fee is required. However, should the Patent Office determine otherwise, please charge the required fee to Jones Day Deposit Account No. 50-3013, referencing Docket No. 9301-159. A copy of this sheet is enclosed.

Date: September 11, 2007

Respectfully submitted,

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**LIST OF REFERENCES CITED BY APPLICANT**

(Use several sheets if necessary)

**ATTY. DOCKET NO.**

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**APPLICATION NO.**

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**U.S. PATENT DOCUMENTS**

*Examiner Initials		Document Number	Date mm/dd/yy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A01	5,489,678	02/06/96	Fodor et al.	
	A02	5,510,270	04/23/96	Fodor et al.	
	A03	5,556,752	09/17/96	Lockhart et al.	
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	A07	6,248,878	06/19/01	Matulic-Adamic et al.	
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	A09	6,362,323	03/26/02	Usman et al.	
	A10	6,713,257	03/30/04	Shoemaker et al.	

**FOREIGN PATENT DOCUMENTS**

*Examiner Initials		Foreign Patent Document Country Code, Number, Kind Code (if known)	Date mm/dd/yy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
	B01	WO 89/02439	03/23/89	Arnold et al.		
	B02	WO 98/41531	09/24/98	Blanchard		

**NON PATENT LITERATURE DOCUMENTS**

*Examiner Initials		Include name of the author (in CAPITAL LETTERS), (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	C01	Blanchard "Synthetic DNA Arrays in Genetic Engineering" 1998, Vol. 20 111-123	
	C02	Blanchard et al. "Sequence to array: probing the genome's secrets" 1996, Nat Biotechnol 14(13):1649	
	C03	Blanchard et al "High-density oligonucleotide arrays" 1996, Biosensors & Bioelectronics 11(7-Jun):687-690	
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	C06	Durand et al. "Circular dichroism studies of an oligodeoxyribonucleotide containing a hairpin loop made of a hexaethylene glycol chain: conformation and stability" 1990, Nucleic Acids Res 18(21):6353-6359	
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	C08	Fodor et al. "Light-directed, spatially addressable parallel chemical synthesis" 1991, Science 251(4995):767-773	

NYI-4020449v1

**EXAMINER****DATE CONSIDERED**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>LIST OF REFERENCES CITED BY APPLICANT</b> (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b>	<b>APPLICATION NO.</b>
	9301-159	10/520,031
	<b>APPLICANT</b>	
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	C09	Goffeau et al. "Life with 6000 genes" 1996, Science 274(5287):546-567	
	C10	Gygi et al. "Quantitative analysis of complex protein mixtures using isotope-coded affinity tags" 1999, Nat Biotechnol 17(10):994-999	
	C11	Haab et al. "Protein microarrays for highly parallel detection and quantitation of specific proteins and antibodies in complex solutions" 2001, Genome Biol 2(2):RESEARCH0004.1-RESEARCH0004.13	
	C12	Holmes et al. "The use of light-directed combinatorial peptide synthesis in epitope mapping" 1995, Biopolymers 37(3):199-211	
	C13	Hughes et al. "Expression profiling using microarrays fabricated by an ink-jet oligonucleotide synthesizer" 2001, Nat Biotechnol 19(4):342-347	
	C14	Jacobs et al. "Combinatorial chemistry--applications of light-directed chemical synthesis" 1994, Trends Biotechnol 12(1):19-26	
	C15	Jaschke et al. "Automated Incorporation of Polyethylene Glycol into Synthetic" 1993, Tetrahedron Letters 34(2):301-304	
	C16	Lockhart et al. "Expression monitoring by hybridization to high-density oligonucleotide arrays" 1996, Nat Biotechnol 14(13):1675-1680	
	C17	Ma et al. "Design and synthesis of RNA miniduplexes via a synthetic linker approach" 1993, Biochemistry 32(7):1751-1758	
	C18	Maskos et al. "Oligonucleotide hybridizations on glass supports: a novel linker for oligonucleotide synthesis and hybridization properties of oligonucleotides synthesized in situ" 1992, Nucleic Acids Res 20(7):1679-1684	
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	C20	McCurdy et al., "Deoxyoligonucleotides with Inverted Polarity: Synthesis and Use in Triple-Helix Formation," 1991, Nucleosides & Nucleotides 10: 287-290	
	C21	Ono et al. "DNA triplex formation of oligonucleotide analogues consisting of linker groups and octamer segments that have opposite sugar-phosphate backbone polarities" 1991, Biochemistry 30(41):9914-2	
	C22	Pease et al. "Light-generated oligonucleotide arrays for rapid DNA sequence analysis" 1994, Proc Natl Acad Sci U S A 91(11):5022-5026	
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